

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/00813

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : F03B 13/18		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
REFER ELECTRONIC DATABASE CONSULTED BELOW		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
DWPI - F03B 13/12, 13/14, 13/16, 13/18 and keyword pump		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5473892 A (MARGITTAI) 12 December 1995 Whole document	1-6,12-15,17-18,27-28,32-34
X	WO 99/66198 A1 (FELDMAN et al) 23 December 1999 Whole document	1-6,12-15,17-18,27-28,32-34
X	US 4203294 A (BUDAL et al) 20 May 1980 Embodiment of Fig 6	1,17,33-34
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 22 August 2003		Date of mailing of the international search report - 1 SEP 2003
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer R. SUBBARAYAN Telephone No : (02) 6283 2377

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2007314 A (THE BRITISH PETROLEUM COMPANY LTD) 16 May 1979 Whole document	1-11, 17- 21, 23, 30, 32- 34
X	GB 2267128 A (SOUTHCORBE) 24 November 1993 Whole document	1, 17, 19- 21, 30, 33-34
A	US 5329497 A (PREVISIC et al) 12 July 1994	
A	FR 2522073 A (SCHLACHET) 26 August 1983	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/00813

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5473892	AU	77282/94	US	5349819	WO	9508060
WO	9966198	AU	42869/99	BR	9911855	CA	2335024
		EP	1108140	NZ	508804	US	6457307
US	4203294	AU	34319/78	DE	2812618	FR	2384961
		GB	1587344	JP	54000132	NO	771013
GB	2007314	AU	38145/78	CA	1102213	DE	2843023
		FR	2406092	JP	54062436	NO	782823
GB	2267128	NONE					
US	5329497	AU	48628/93	CA	2106503	EP	594537
		JP	6213134	NO	933694	NZ	248771
		ZA	9307182				
FR	2522073	NONE					
END OF ANNEX							